



Lesson Plan: Land-based and Environment

Time required for this lesson

60 minutes

Aim of the lesson

To introduce students to the Land-based and Environment occupational sector.

Learning outcomes

By the end of this lesson students should:

- have a greater understanding of the range of jobs in the Land-based and Environment occupational area
- have thought about the skills and qualities required to work in this sector
- have a greater awareness of what is happening nationally and locally in the area of Land-based and Environment

Resources required for this lesson

- Working in 'Essex, Southend and Thurrock - Land - based and Environment' leaflet obtained from www.stepon.org
- Who am I? Worksheet and Answer Sheet
- Work Details Worksheet and Answer Sheet
- Land-based and Environment Quiz and Answer Sheet

Introduction

Explain to the students that this collection of labour market leaflets has been produced by Connexions and the Learning and Skills Council. It is intended to be used as an information, advice and guidance resource to help them understand more about the trends in the labour market in Essex and to support the introduction of the new 14-19 Diplomas. Its ultimate aim is to help students with their decision-making regarding their future career plans. This lesson is all about the occupational area of Land-based and Environment and can support students who are thinking about doing the Diploma in Environmental and Land-based Studies.



Activity 1

Who am I? (10 minutes) Worksheet: Who am I?

Ask for six volunteers from the class. Give each of the volunteers one of the Who Am I? jobs. These are all jobs that you would find in the Land-based and Environment sector. Each volunteer has to read out one line of the job that they are at a time. After each line has been read out ask the class if they can guess the job that is being read out. Keep repeating this, reading out one line at a time until somebody has guessed the correct job.

End this session by explaining that these are just some examples of jobs in the Land-based and Environment occupational area and we will go on to look at more jobs and the skills and qualities required to work in this area.

Activity 2

Work Details (15 minutes) Worksheet: Work Details and Answer Sheet

Hand out the 'Work Details Worksheet'. Ask the class to work in pairs and complete the worksheet.

When the worksheet has been completed you can use the 'Work Details Answer Sheet' to go through the correct answers with the class

Activity 3

Skills required for working in Land-based and Environmental jobs (15 minutes)

Split the class into four groups. Give each group one of the areas below and ask them to discuss the skills and qualities that are required for working in the area that they have been given.

After 10 minutes get each group to feedback the skills and qualities. Ask for a volunteer to write up the skills on the board/flipchart. Note any skills and qualities that are similar for any of the areas and any that are very unique to a specific area.

Discuss with the class if anybody is looking to work in this area and the skills and qualities that they have that will help them with this.

Areas to look at:

1. Plants (e.g. gardener, tree surgeon)
2. Animals (vet, dog/horse groomer)
3. Environment (e.g. countryside management and conservation)
4. Land-based jobs (e.g. farm, fisheries)

Activity 4

Land-based and Environment Quiz (15 minutes) Worksheet: Land-based and Environment Quiz and Answer Sheet

Pupils will need a copy of the 'Working in Essex, Southend and Thurrock – Land-based and Environment' leaflet to be able to find the answers to the quiz.

The pupils can work on their own or in pairs to complete the quiz.

Give the pupils 10 minutes to complete the quiz and then spend the last five minutes going through the answers.

Plenary (5 minutes)

Ask the students to take a couple of minutes to think of 5 key words that sum up what Land-based and Environment means to them. Go round the group and get each person to say one of their 5 key words but nobody can repeat a word that somebody has already said. See how many key words you can get. You could ask for a volunteer to write up the key words on the board as they are being called out.

End the session by going back over the aims and learning outcomes of the lesson with the students and asking them if they have any questions about anything that they have done.

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Activity 1

Who am I? – Worksheet

Farm Worker

- I use and look after machinery like milking machines, tractors, combine harvesters and other vehicles.
- I put up and mend fences, hedges and ditches.
- I help to repair and look after farm buildings and machinery.
- I may also work with farm animals, feeding and looking after them, and cleaning out sheds.
- On a farm where crops are grown I get the soil ready for sowing seeds, look after the crops and harvest them when they are ready.
- I do all the practical work on a farm.

Kennel Worker

- I check vaccination records and do other paperwork.
- I may look after dogs when they are sick.
- I feed and groom the dogs.
- I exercise the dogs, in a yard or out on longer walks.
- I clean out the kennels, by sweeping, hosing down and disinfecting, and change the bedding.
- I look after dogs while they are in kennels - while owners are away, in kennels for working dogs, or in rescue kennels for abandoned dogs.

Countryside/Conservation Manager

- I enforce the law surrounding the countryside and environment.
- I communicate closely with other scientific specialists, the government as well as landowners.
- I research and write legal/scientific reports, press releases and information articles.
- I advise the public, scientists, the government and others on nature conservation and environmental protection.
- I am also responsible for hiring new staff, and looking after their training and development.
- I am responsible for the management, conservation and protection of the animals, trees and plants in a particular part of the country.

Forestry Worker

- I put up and mend fences, dig drains and make paths.
- I remove weeds, and add fertiliser to make the trees grow.
- I clear the forest ground, and plant seedlings and young trees.
- I prune and thin out the branches on large trees.
- I cut down trees and cut them into logs.
- I protect wildlife, and fight fires in the forest.

Gardener

- I remove weeds, spray plants to get rid of pests or diseases, and add fertilisers to help the plants grow.
- I may do basic maintenance on garden sheds, machinery and furniture, or repair walls and fences.
- I work in a greenhouse, taking cuttings and looking after seedlings.
- I prune trees and shrubs, and may cut lawns and hedges.
- I look after trees, shrubs, flowers or fruit in private and public gardens.
- I dig the soil to get it ready for planting.

Veterinary Nurse

- I take samples and specimens, and do simple laboratory tests
- I develop x-rays and prepare medicines.
- I advise owners about things like vaccinations, caring for animals and training them.
- I help during operations, including getting the animal ready and sterilising instruments.
- I help a vet to care for animals such as cats, dogs, rabbits, birds and hamsters - but may work with farm animals, horses or exotic animals like snakes.
- I look after animals while they are recovering from operations.

Activity 2

Work details - Worksheet

For each 'work detail' decide which job title suits it best. There are only four work details for each job.

Work details

Vet

Landscaper
Gardener

Countryside
Ranger

Zookeeper

There are no set qualifications for this job.

You usually work a rota system, as someone has to be available 24 hours a day.

There are only jobs in some parts of the country, and there is always a lot of competition for these.

The hours are often longer in the summer.

You can work in a national park or a country park.

The work can be dirty and smelly as well as sometimes cold, wet and noisy.

Much of the work is done indoors in a consulting room.

You need to be physically fit to do this job.

This job is usually a 40-hour week, working shifts.

The work is mainly outdoors, in all weathers, with some time in an office or visitor centre.

You can work for a local council or a private company.

You may visit people's homes or go to farms and stables.

This is a very active job, and it involves lifting heavy loads.

Most of the work is outdoors, though some projects are in public places such as shopping centres.

You have to train for five years to do this job.

You may sometimes have to help out in emergencies like fire, floods and mountain rescue.

Activity 2

Work details – Answer Sheet

Work details	Vet	Landscaper Gardener	Countryside Ranger	Zookeeper
There are no set qualifications for this job.			●	
You usually work a rota system, as someone has to be available 24 hours a day.	●			
There are only jobs in some parts of the country, and there is always a lot of competition for these.				●
The hours are often longer in the summer.		●		
You can work in a national park or a country park.			●	
The work can be dirty and smelly as well as sometimes cold, wet and noisy.				●
Much of the work is done indoors in a consulting room.	●			
You need to be physically fit to do this job.		●		
This job is usually a 40-hour week, working shifts.				●
The work is mainly outdoors, in all weathers, with some time in an office or visitor centre.			●	
You can work for a local council or a private company.		●		
You may visit people's homes or go to farms and stables.	●			
This is a very active job, and it involves lifting heavy loads.				●
Most of the work is outdoors, though some projects are in public places such as shopping centres.		●		
You have to train for five years to do this job.	●			
You may sometimes have to help out in emergencies like fire, floods and mountain rescue.			●	

Activity 4

Land-based and Environment Quiz - Worksheet

Using the 'Working in Essex, Southend and Thurrock - Land-based and Environment' leaflet have a go at answering the questions below.

1. How many businesses or organisations are involved in the land-based sector in the Eastern region?

2. What are the key industries in the Eastern Region?

3. How many animal care businesses are there in the UK and how many people do they employ?

4. What is the average annual salary for a Forestry Worker in the UK?

5. What are 'greenskills'?

6. What job opportunities will the 2012 Olympic Games create in this sector?

7. Name some of the skills that would be useful for working in this industry?

8. What is the website address for the Sector Skills Council for the Environment, Animals and Plants?

Activity 4

Land Based and Environment Quiz – Answer Sheet

Using the 'Working in Essex, Southend and Thurrock - Land-based and Environment' leaflet have a go at answering the questions below.

1. How many businesses or organisations are involved in the land-based sector in the Eastern region?

16,000

2. What are the key industries in the Eastern Region?

Agricultural crop production, pig and poultry enterprises.

3. How many animal care businesses are there in the UK and how many people do they employ?

13,300 animal care businesses, employing 47,500 people.

4. What is the average annual salary for a Forestry Worker in the UK?

£18,442

5. What are 'greenskills'?

Landscaping, environmental conservation, fencing, horticulture, floristry, small animal veterinary practices and kennels and catteries.

6. What job opportunities will the 2012 Olympic Games create in this sector?

Landscaping, horticulture, fencing, land-based engineering and environmental conservation.

7. Name some of the skills that would be useful for working in this industry?

Communication, confident with animals, self motivated, enjoy working outdoors.

8. What is the website address for the Sector Skills Council for the Environment, Animals and Plants?

www.lantra.co.uk